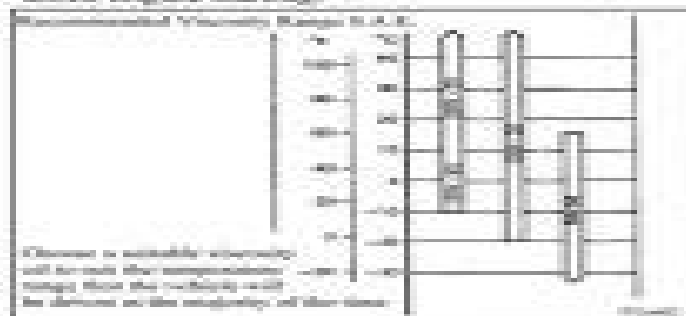


ENGINE TUNE-UP & MAINTENANCE

Oil Specification

XTZC

Viscosity Grade: Use classification SG or SH, viscosity grade 5W-50 for general use and high ambient temperatures. If using vehicle for prolonged periods in severe areas use a viscosity grade of 15W-40, this will assist engine starting.



Grade: Use classification SP - GF3 viscosity grade 15W-40.

Note: Use only low-phosphorus engine oils as overabundance of catalytic converter may result.

XTZ

Viscosity Grade: Use classification SP-30, viscosity grade 5W-30.

Grade: Use classification SP-30, viscosity grade GF3 5W-30 or 15W-50.

Oil Pressure

Check oil pressure with engine at operating temperature and oil at correct level on the dipstick.



1. Remove the oil pressure switch/gauge sender unit.
2. Fit the oil pressure gauge adaptor and pressure gauge.
3. Start engine and allow to idle, check the pressure gauge reading and take note of pressure.



Oil Pressure

XTZC

VE & V6 Supercharged @ 1800 rpm	375 kPa
See 1 VE @ idle - 500 rpm	40 kPa
See 1 VE @ 2000 rpm	275-414 kPa
Good 1 VE @ 1,000 rpm	50 kPa (Min. 100)
Good 1 VE @ 2,000 rpm	125 kPa (Min. 100)
Good 1 VE @ 4,000 rpm	160 kPa (Min. 100)

XTZ

VE @ idle	69 kPa
VE @ 2000 rpm	125 kPa
Good 1 & Good V VE @ 1,000 rpm	40 kPa (Min. 100)
@ 2,000 rpm	125 kPa (Min. 100)
@ 4,000 rpm	160 kPa (Min. 100)

COMPRESSION CHECK

Refer to appropriate engine chapter for your specific vehicle for detailed procedures for performing engine compression check.

OIL FILTER

The oil filter should be replaced at the intervals scheduled service intervals or when the engine oil is contaminated in any way.

Note: It's common practice to always replace the oil filter when the oil is changed.

Replacement Oil Filter - External

VTAC - V6 & All V6 models

1. Uncover the oil filter with a suitable oil filter wrench, then remove and discard the filter.
2. Make sure that the seal is fitted correctly to the neck on the new oil filter.
3. Pour some clean engine oil into the filter, until level is approximately 2 cm below top of filter.
4. Spread some engine oil over the filter seal.
5. Screw the filter into place until the seal contacts mating surface of adaptor, then tighten through a further 2/3 of a turn.
6. Clean any excess oil from filter and adaptor.

Holden Commodore Vz Repair Manual Pvc Valve

Tobias Bleicker



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